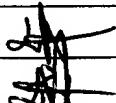



FORM PTO-1449

ATTY. DOCKET NO.  
1744.1200001APPLICATION NO.  
09/987,193FOURTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTFIRST NAME INVENTOR  
Gregory S. RAWLINSFILING DATE  
November 13, 2001ART UNIT  
2124


## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH66	6,879,817 B1	04/2005	Sorrells <i>et al.</i>			
	AI66	6,057,714	05/2000	Andrys <i>et al.</i>			

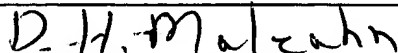
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
	AP	
	AQ59	Hellwarth, G.A. and Jones, G.D, "Automatic Conditioning of Speech Signals," <i>IEEE Transactions on Audio and Electroacoustics</i> , Vol. AU-16, No. 2, pp. 169-179 (June 1968).
	AR	

EXAMINER



DATE CONSIDERED

8/23/05

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>JS</i>	AA67	2003/0081781 A1	05/2003	Jensen <i>et al.</i>			
	AB67	5,994,689	11/1999	Charrier			
	AC67	6,512,544 B1	01/2003	Merrill <i>et al.</i>			
	AD67	6,628,328 B1	09/2003	Yokouchi <i>et al.</i>			
	AE67	6,801,253 B1	10/2004	Yonemoto <i>et al.</i>			
	AF67	3,737,778	06/1973	Van Gerwen <i>et al.</i>			
	AG67	4,286,283	08/1981	Clemens			
	AH67	4,241,451	12/1980	Maixner <i>et al.</i>			
<i>RA</i>	AI67	5,014,130	05/1991	Heister <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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EXAMINER INITIAL	DOC. REF.	CITATION
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EXAMINER

*D. H. Malzahn*

DATE CONSIDERED

*8/23/05*

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA68	5,390,215	02/1995	Anita <i>et al.</i>			
	AB68	5,805,460	09/1998	Greene <i>et al.</i>			
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## FOREIGN PATENT DOCUMENTS

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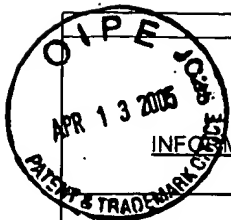
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
<del>SA</del>	AD64	6,813,485 B2	11/2004	Sorrells <i>et al.</i>			
	AE64	5,410,270	04/1995	Rybicki <i>et al.</i>			
	AF64	6,509,777 B2	01/2003	Razavi <i>et al.</i>			
	AG64	5,982,329	11/1999	Pittman <i>et al.</i>			
	AH64	6,208,636 B1	03/2001	Tawil <i>et al.</i>			
<del>SA</del>	AI64	3,614,630	10/1971	Rorden			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No

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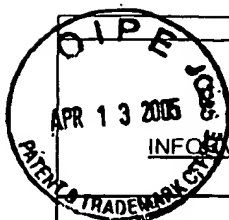
EXAMINER

*D. H. Malczon*

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>SA</i>	AA65	6,836,650 B2	12/2004	Sorrells <i>et al.</i>			
	AB65	5,844,868	12/1998	Takahashi <i>et al.</i>			
	AC65	6,385,439 B1	05/2002	Hellberg			
	AD65	6,741,139 B2	05/2004	Pleasant <i>et al.</i>			
	AE65	6,823,178 B2	11/2004	Pleasant <i>et al.</i>			
	AF65	6,850,742 B2	02/2005	Fayyaz			
	AG65	6,853,690 B1	02/2005	Sorrells <i>et al.</i>			
	AH65	4,789,837	12/1988	Ridgers			
<i>SA</i>	AI65	5,634,207	05/1997	Yamaji <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AL						Yes No
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*D.H. Malzewski*

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FORM PTO-1449

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1744.1200001APPLICATION NO.  
09/987,193THIRD SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

INVENTORS

Rawlins *et al.*

FILING DATE

November 13, 2001

ART UNIT

2124

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>[Signature]</i>	AA66	5,642,071	06/1997	Sevenhans <i>et al.</i>			
	AB66	6,211,718 B1	04/2001	Souetinov			
	AC66	6,212,369 B1	04/2001	Avasarala			
	AD66	6,308,058 B1	10/2001	Souetinov <i>et al.</i>			
	AE66	6,633,194 B2	10/2003	Arnborg <i>et al.</i>			
	AF66	2001/0036818 A1	11/2001	Dobrovolny			
<i>[Signature]</i>	AG66	6,873,836 B1	03/2005	Sorrells <i>et al.</i>			
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	AI						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AL						Yes No
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EXAMINER INITIAL	DOC. REF.	CITATION
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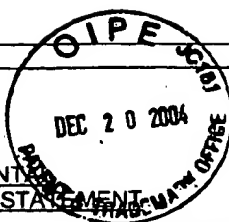
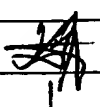
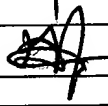

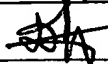
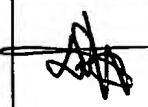
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*D. H. Malzahn*

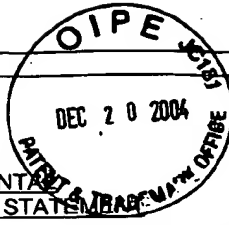
DATE CONSIDERED

*8/27/05*

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FORM PTO-1449 SECOND SUPPLEMENT INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1744.1200001		APPLICATION NO. 09/987,193	
INVENTORS Rawlins <i>et al.</i>				FILING DATE November 13, 2001		ART UNIT 2124	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB53	5,751,154	05/1998	Tsugai			
	AC53	5,793,817	08/1998	Wilson			
	AD53	6,225,848 B1	05/2001	Tilley <i>et al.</i>			
	AE53	6,313,685 B1	11/2001	Rabii			
	AF53	3,614,627	10/1971	Runyan <i>et al.</i>			
	AG53	3,940,697	02/1976	Morgan			
	AH53	4,016,366	04/1977	Kurata			
	AI53	4,045,740	08/1977	Baker			
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK23	JP 9-36664	02/1997	JP			No
	AL23	DE 196 48 915 A1	06/1998	DE			Yes (Doc. AO59)
	AM						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AN						
	AO						
	AP						
	AQ						
	AR	58	English-language Abstract of Japanese Patent Publication No. 09-036664, from <a href="http://www1.ipdl.jpo.go.jp">http://www1.ipdl.jpo.go.jp</a> , 2 Pages (February 7, 1997 - Date of publication of application).				
EXAMINER					DATE CONSIDERED		
D. H. Malachuk					8/23/05		

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FORM PTO-1449

SECOND SUPPLEMENTARY  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.1200001APPLICATION NO.  
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Rawlins *et al.*FILING DATE  
November 13, 2001ART UNIT  
2124

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA54	4,115,737	09/1978	Hongu <i>et al.</i>			
	AB54	5,710,992	01/1998	Sawada <i>et al.</i>			
	AC54	5,790,587	08/1998	Smith <i>et al.</i>			
	AD54	4,740,675	04/1988	Brosnan <i>et al.</i>			
	AE54	5,483,600	01/1996	Werrbach			
	AF54	6,011,435	01/2000	Takeyabu <i>et al.</i>			
	AG54	6,321,073 B1	11/2001	Luz <i>et al.</i>			
	AH54	6,026,286	02/2000	Long			
	AI54	6,178,319 B1	01/2001	Kashima			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	<u>59</u>	Simoni, A. <i>et al.</i> , "A Single-Chip Optical Sensor with Analog Memory for Motion Detection," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 7, pp. 800-806 (July 1995).
	AO	<u>59</u>	English Translation of German Patent Publication No. DE 196 48 915 A1, 10 pages.
	AP	<u>59</u>	Deboo, Gordon J., <i>Integrated Circuits and Semiconductor Devices</i> , 2 <sup>nd</sup> Edition, McGraw-Hill, Inc., pp. 41-45 (1977).
	AQ		
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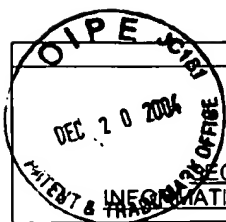
D. H. Malzahn

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>SK</i>	AA55	6,634,555 B1	10/2003	Sorrells <i>et al.</i>			
	AB55	3,736,513	05/1973	Wilson			
	AC55	4,488,119	12/1984	Marshall			
	AD55	4,633,510	12/1986	Suzuki <i>et al.</i>			
	AE55	5,369,789	11/1994	Kosugi <i>et al.</i>			
	AF55	5,416,449	05/1995	Joshi			
	AG55	5,438,329	08/1995	Gastouniotis <i>et al.</i>			
	AH55	6,611,569 B1	08/2003	Schier <i>et al.</i>			
<i>SK</i>	AI55	6,647,250 B1	11/2003	Bultman <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

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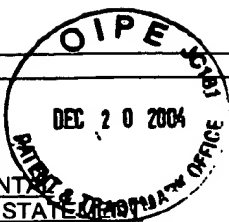
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ATTY. DOCKET NO.

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APPLICATION NO.

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ART UNIT

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<i>JA</i>	AA56	5,682,099	10/1997	Thompson <i>et al.</i>			
	AB56	6,094,084	07/2000	Abou-Allam <i>et al.</i>			
	AC56	6,067,329	05/2000	Kato <i>et al.</i>			
	AD56	6,516,185 B1	02/2003	MacNally			
	AE56	6,608,647	08/2003	King			
	AF56	6,687,493 B1	02/2004	Sorrells <i>et al.</i>			
	AG56	6,694,128 B1	02/2004	Sorrells <i>et al.</i>			
	AH56	6,031,217	02/2000	Aswell <i>et al.</i>			
<i>JA</i>	AI56	5,955,992	09/1999	Shattil			

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	AK						Yes No
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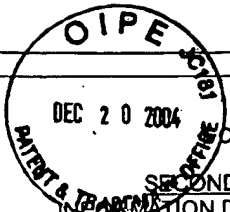
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*D. H. Malzahn*

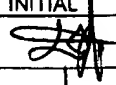

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	ATTY. DOCKET NO. 1744.1200001		APPLICATION NO. 09/987,193	
	INVENTORS Rawlins <i>et al.</i>			
	FILING DATE November 13, 2001		ART UNIT 2124	
	<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>			

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA57	5,999,561	12/1999	Naden <i>et al.</i>			
	AB57	6,686,879 B2	02/2004	Shattil			
	AC57	6,704,549 B1	03/2004	Sorrells <i>et al.</i>			
	AD57	6,704,558 B1	03/2004	Sorrells <i>et al.</i>			
	AE57	5,490,176	02/1996	Peltier			
	AF57	5,970,053	10/1999	Schick <i>et al.</i>			
	AG57	6,078,630	06/2000	Prasanna			
	AH57	6,600,911 B1	07/2003	Morishige <i>et al.</i>			
	AI57	5,179,731	01/1993	Tränkle <i>et al.</i>			

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	AL						Yes No
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INVENTORS

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<i>JA</i>	AA58	5,589,793	12/1996	Kassapian			
	AB58	4,510,467	04/1985	Chang <i>et al.</i>			
	AC58	4,772,853	09/1988	Hart			
	AD58	4,972,436	11/1990	Halim <i>et al.</i>			
	AE58	5,012,245	04/1991	Scott <i>et al.</i>			
	AF58	5,422,909	06/1995	Love <i>et al.</i>			
	AG58	5,440,311	08/1995	Gallagher <i>et al.</i>			
	AH58	5,926,513	07/1999	Suominen <i>et al.</i>			
<i>JA</i>	AI58	5,995,030	11/1999	Cabler			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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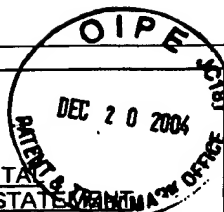
EXAMINER

*D. H. Malzahn*

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FORM PTO-1449

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

1744.1200001

APPLICATION NO.

09/987,193

INVENTORS

Rawlins *et al.*

FILING DATE

November 13, 2001

ART UNIT

2124

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>JA</i>	AA59	6,047,026	04/2000	Chao <i>et al.</i>			
	AB59	6,049,573	04/2000	Song			
	AC59	6,076,015	06/2000	Hartley <i>et al.</i>			
	AD59	6,144,331	11/2000	Jiang			
	AE59	6,018,553	01/2000	Sanielevici <i>et al.</i>			
	AF59	6,317,589 B1	11/2001	Nash			
	AG59	5,058,107	10/1991	Stone <i>et al.</i>			
	AH59	5,757,858	05/1998	Black <i>et al.</i>			
<i>JA</i>	AI59	6,531,979 B1	03/2003	Hynes			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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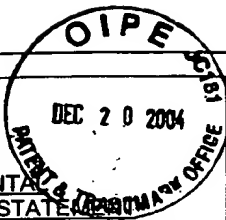
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>JA</i>	AA60	6,018,262	01/2000	Noro <i>et al.</i>			
	AB60	4,761,798	08/1988	Griswold, Jr. <i>et al.</i>			
	AC60	5,982,315	11/1999	Bazarjani <i>et al.</i>			
	AD60	6,459,721 B1	10/2002	Mochizuki <i>et al.</i>			
	AE60	6,151,354	11/2000	Abbey			
	AF60	6,169,733 B1	01/2001	Lee			
	AG60	6,363,262 B1	03/2002	McNicol			
	AH60	6,697,603 B1	02/2004	Lovinggood <i>et al.</i>			
<i>JA</i>	AI60	5,282,222	01/1994	Fattouche <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

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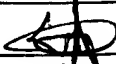

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA61	5,949,827	09/1999	DeLuca <i>et al.</i>			
	AB61	6,014,176	01/2000	Nayebi <i>et al.</i>			
	AC61	5,678,226	10/1997	Li <i>et al.</i>			
	AD61	5,760,632	06/1998	Kawakami <i>et al.</i>			
	AE61	6,160,280	12/2000	Bonn <i>et al.</i>			
	AF61	5,481,570	01/1996	Winters			
	AG61	5,745,846	04/1998	Myer <i>et al.</i>			
	AH61	5,345,239	09/1994	Madni <i>et al.</i>			
	AI61	4,132,952	01/1979	Hongu <i>et al.</i>			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>DA</i>	AA62	5,260,973	11/1993	Watanabe			
	AB62	6,307,894 B2	10/2001	Eidson <i>et al.</i>			
	AC62	6,091,289	07/2000	Song <i>et al.</i>			
	AD62	6,437,639 B1	08/2002	Nguyen <i>et al.</i>			
	AE62	2002/0037706 A1	03/2002	Ichihara			
	AF62	4,441,080	04/1984	Saari			
	AG62	4,873,492	10/1989	Myer			
	AH62	5,697,074	12/1997	Makikallio <i>et al.</i>			
<i>AA</i>	AI62	5,784,689	07/1998	Kobayashi			

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INVENTORS Rawlins <i>et al.</i>	
FILING DATE November 13, 2001	ART UNIT 2124

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>SA</i>	AA63	6,335,656 B1	01/2002	Goldfarb <i>et al.</i>			
	AB63	6,690,232 B2	02/2004	Ueno <i>et al.</i>			
	AC63	5,636,140	06/1997	Lee <i>et al.</i>			
	AD63	6,366,622 B1	04/2002	Brown <i>et al.</i>			
	AE63	6,600,795 B1	07/2003	Ohta <i>et al.</i>			
	AF63	4,250,458	02/1981	Richmond <i>et al.</i>			
	AG63	5,760,629	06/1998	Urabe <i>et al.</i>			
	AH63	6,084,465	07/2000	Dasgupta			
<i>SA</i>	AI63	6,204,789 B1	03/2001	Nagata			

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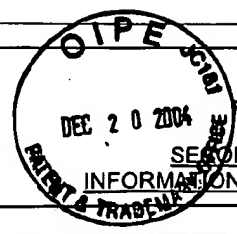
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EXAMINER <i>D. H. Malzahn</i>	DATE CONSIDERED <i>8/23/05</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>[Signature]</i>	AA64	6,064,054	05/2000	Waczynski et al.			
<i>[Signature]</i>	AB64	5,834,979	11/1998	Yatsuka			
<i>[Signature]</i>	AC64	6,798,351 B1	09/2004	Sorrells et al.			
	AD64						
	AE64						
	AF64						
	AG64						
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	AI64						

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